#### IN THE CLAIMS

Please amend claims 1, 7, 10, 22 and 24 as follows:

- 1. (Twice Amended) A method for preparing an article from a biodegradable polymer composition wherein the method comprises:
  - a. introducing a phenol-containing compound comprising terpene-phenol resin into a biodegradable polymer or biodegradable polymer composition in an amount sufficient to slow the degradation rate of the biodegradable polymer or biodegradable polymer composition; and
  - b. mixing the phenol-containing compound with the biodegradable polymer
    or biodegradable polymer composition;
     wherein the biodegradable polymer or biodegradable polymer composition
    comprises one or more of;
    - 1. an aliphatic-aromatic copolyester having repeat units of the following structures:

(i) R<sup>11</sup> and R<sup>12</sup> are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol, thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-



cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;

(ii) R<sup>11</sup> and R<sup>12</sup> are 100% of the diol components in the copolyester;

(iii)  $R^{13}$  is absent or is selected from one or more of the groups consisting of  $C_1$  -  $C_{12}$  alkylene or oxyalkylene;  $C_1$  -  $C_{12}$  alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$  -  $C_{10}$  aryl, and  $C_1$  -  $C_4$  alkoxy;  $C_5$  -  $C_{10}$  cycloalkylene; and  $C_5$  -  $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$  -  $C_{10}$  aryl, and  $C_1$  -  $C_4$  alkoxy, and

(iv)  $R^{14}$  is selected from one or more of the groups consisting of  $C_6$  -  $C_{10}$  aryl, and  $C_6$  -  $C_{10}$  aryl substituted with one to four substituents independently selected from the group consisting of halo,  $C_1$  -  $C_4$  alkyl, and  $C_1$  -  $C_4$  alkoxy; an aliphatic polyester having repeat units of one or more of the following structures:

OCH(CH<sub>2</sub>)<sub>m</sub> C

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2.

or

wherein m is an integer of from 0 to 10, and R<sup>10</sup> is selected from the group consisting of hydrogen; C<sub>1</sub>-C<sub>12</sub> alkyl; C<sub>1</sub>-C<sub>12</sub> alkyl substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>5</sub>-C<sub>10</sub> cycloalkyl; and C<sub>5</sub>-C<sub>10</sub> cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy, wherein R<sup>8</sup> is selected from the group consisting of C<sub>2</sub>-C<sub>12</sub> alkylene or C<sub>2</sub>-C<sub>12</sub> oxyalkylene; C<sub>2</sub>-C<sub>12</sub> alkylene or C<sub>2</sub>-C<sub>12</sub> oxyalkylene; C<sub>2</sub>-C<sub>12</sub> alkylene or C<sub>2</sub>-C<sub>12</sub> oxyalkylene; C<sub>3</sub>-C<sub>10</sub> cycloalkylene; C<sub>5</sub>-C<sub>10</sub> cycloalkylene; C<sub>5</sub>-C<sub>10</sub> cycloalkylene substituted with one to four substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy, and wherein R<sup>9</sup> is absent or is selected from one or more of the group

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consisting of  $C_1$ - $C_{12}$  alkylene or oxyalkylene;  $C_1$ - $C_{12}$  alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy;  $C_5$ - $C_{10}$  cycloalkylene; and  $C_5$ - $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy; and

3) a  $C_1$ - $C_{10}$  cellulose ester having a DS equal to or less than about 2.5; and

c. forming the biodegradable polymer composition into an article, wherein the article comprises: a film, a bottle, a blow molded article, an injection molded article or a container.

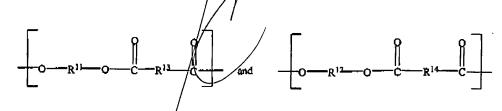
7. (Twice Amended) The method of claim 1 wherein the biodegradable polymer or biodegradable polymer composition comprises the aliphatic-aromatic copolyester and wherein R<sup>11</sup> and R<sup>12</sup> are the same or different, and are selected from the group consisting of residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 1,3-butanediol, and 1,4-butanediol, R<sup>13</sup> is selected from the group consisting of malonic acid, succinic acid, glutaric acid, adipic acid, pimelic acid, 2,2-dimethyl glutaric acid, diglycolic acid, and an ester forming derivative thereof, and R<sup>14</sup> is selected from the group consisting of one or more of 1,4-terephthalic acid, 1,3-terephthalic acid, 2,6-naphthoic acid, 1,5-naphthoic acid, and an ester forming derivative thereof.



- 10. (Twice Amended) A method for preparing an article from a biodegradable polymer or polymer composition, wherein the method comprises:
  - (a) introducing a phenol-containing compound into a biodegradable polymer or polymer composition in an amount sufficient to slow the degradation rate of the biodegradable polymer or polymer composition; and
  - (b) mixing the phenol-containing compound with the biodegradable polymer or polymer composition, wherein the biodegradable polymer comprises one or more of the following:



1. an aliphatic-aromatic copolyester having repeat units of the following structures:



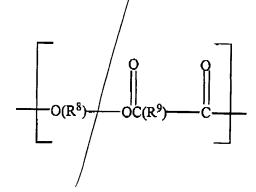
wherein

(i) R<sup>11</sup> and R<sup>12</sup> are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol,

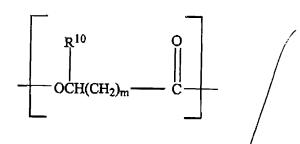
thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;

- (ii) R<sup>11</sup> and R<sup>12</sup> are 100% of the diol components in the copolyester;
- (iii)  $R^{13}$  is absent or is selected from one or more of the groups consisting of  $C_1$   $C_{12}$  alkylene or oxyalkylene;  $C_1$   $C_{12}$  alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$   $C_{10}$  aryl, and  $C_1$   $C_4$  alkoxy;  $C_5$   $C_{10}$  cycloalkylene; and  $C_5$   $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$   $C_{10}$  aryl, and  $C_1$   $C_4$  alkoxy; and
- (iv)  $R^{14}$  is selected from one or more of the groups consisting of  $C_6$   $C_{10}$  aryl, and  $C_6$   $C_{10}$  aryl substituted with one to four substituents independently selected from the group consisting of halo,  $C_1$   $C_4$  alkyl, and  $C_1$   $C_4$  alkoxy;

2) an aliphatic polyester having repeat units of one or more of the following structures:



or



wherein m is an integer of from 0 to 10, and  $R^{10}$  is selected from the group consisting of hydrogen;  $C_1$ - $C_{12}$  alkyl;  $C_1$ - $C_{12}$  alkyl; substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy;  $C_5$ - $C_{10}$  cycloalkyl; and  $C_5$ - $C_{10}$  cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy,

wherein  $R^8$  is selected from the group consisting of  $C_2$ - $C_{12}$  alkylene or  $C_2$ - $C_{12}$  oxyalkylene;  $C_2$ - $C_{12}$  alkylene or  $C_2$ - $C_{12}$  oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy;  $C_5$ - $C_{10}$  cycloalkylene;  $C_5$ - $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy, and

wherein  $R^9$  is absent or is selected from one or more of the group consisting of  $C_1$ - $C_{12}$  alkylene or oxyalkylene;  $C_1$ - $C_{12}$  alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy;  $C_5$ - $C_{10}$  cycloalkylene; and  $C_5$ - $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy; and

3) C<sub>1</sub>-C<sub>10</sub> cellulose ester having a DS equal to or less than about 2.5; and

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(c) forming the biodegradable polymer composition into an article, wherein the article comprises: a film, a bottle, a plow molded article, an injection molded article or a container.

- 22. (Twice Amended) A biodegradable polymer composition for making an article comprising a film, a bottle, a blow molded article, an injection molded article or a container, wherein the biodegradable polymer or biodegradable polymer-second material composition comprises:
  - a. a phenol-containing compound comprising terpene-phenol resin incorporated in the biodegradable polymer or biodegradable polymer-second material composition, the phenol-containing compound being present at an amount sufficient to slow the degradation rate of the biodegradable polymer or biodegradable polymer second-material composition; and
  - b. a biodegradable polymer or biodegradable polymer-second material composition comprising one or more of the following:

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1. an aliphatic-aromatic copolyester having repeat units of the following structures:

(i) R<sup>11</sup> and R<sup>12</sup> are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol, thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-

cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;

- (ii) R<sup>11</sup> and R<sup>12</sup> are 100% of the diol components in the copolyester;
- (iii)  $R^{13}$  is absent or is selected from one or more of the groups consisting of  $C_1$   $C_{12}$  alkylene or oxyalkylene;  $C_1$   $C_{12}$  alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$   $C_{10}$  aryl, and  $C_1$   $C_4$  alkoxy;  $C_5$   $C_{10}$  cycloalkylene; and  $C_5$   $C_{10}$  cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$   $C_{10}$  aryl, and  $C_1$   $C_4$  alkoxy; and
- (iv)  $R^{14}$  is selected from one or more of the groups consisting of  $C_6$   $C_{10}$  aryl, and  $C_6$   $C_{10}$  aryl substituted with one to four substituents independently selected from the group consisting of halo,  $C_1$   $C_4$  alkyl, and  $C_1$   $C_4$  alkoxy;
- an aliphatic polyester having repeat units of one or more of the following structures:

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wherein m is an integer of from 0 to 10, and R<sup>10</sup> is selected from the group consisting of hydrogen; C<sub>1</sub>-C<sub>12</sub> alkyl; C<sub>1</sub>-C<sub>12</sub> alkyl substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>5</sub>-C<sub>10</sub> cycloalkyl; and C<sub>5</sub>-C<sub>10</sub> cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy, wherein  $\mathbb{R}^8$  is selected from the group consisting of  $C_2\text{-}C_{12}$  alkylene or  $C_2\text{-}$  $C_{12}$  oxyalkylene;  $C_2$ - $C_{12}$  alkylene or  $C_2$ - $C_{12}$  oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo,  $C_6$ - $C_{10}$  aryl, and  $C_1$ - $C_4$  alkoxy;  $C_5$ - $C_{10}$  cycloalkylene;  $C_5$ - $C_{10}$ cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy, and wherein R<sup>9</sup> is absent/or is selected from one or more of the group consisting of C1-C12 alkylene or oxyalkylene; C1-C12 alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C<sub>6</sub>-C<sub>10</sub> aryl, and C<sub>1</sub>-C<sub>4</sub> alkoxy; C<sub>5</sub>-C<sub>10</sub> cycloalky/ene; and C<sub>5</sub>-C<sub>10</sub> cycloalkylene substituted with one to

3)  $C_1$ - $C_{10}$  cellulose ester having a DS equal to or less than about 2.5.

four substituents independently selected from the group consisting of halo,

24. (Once amended) The biodegradable polymer composition of claim 23 wherein the biodegradable polymer or biodegradable polymer-second material composition comprises the aliphatic-aromatic copolyester and wherein R<sup>11</sup> and R<sup>12</sup> are the same or different, and are selected from the group consisting of residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 1,3-butanediol, and 1,4-butanediol, R<sup>13</sup> is selected from the group consisting of malonic acid, succinic acid, glutaric acid, adipic acid, pimelic acid, 2,2-dimethyl glutaric acid, diglycolic acid, and

C6-C10 aryl, and C1-C4 alkoxy; and

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